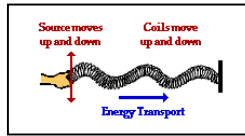
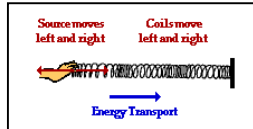


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Activity #1-An Investigation Into Transverse Waves

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**



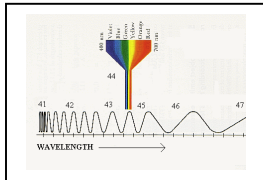
Activity #2-An Investigation Into Longitudinal Waves

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**



Activity #3- The Transmission of Longitudinal (sound) Waves

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**



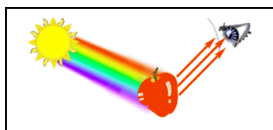
Activity #4- An Introduction to the Electromagnetic Spectrum

- **Teacher's Copy**
- **Student's Copy**
- **Answer Key**



Activity #5- Visible Light

- **Teacher's Copy**
- **Student's Copy**
- **Answer Key**



Activity #6- Observing Colors

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**



Activity #7- Detecting the Invisible

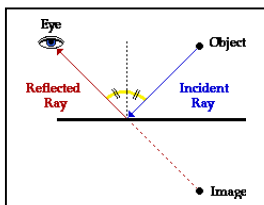
- **Teacher's Copy**
- **Student's Copy**



- Student Response Sheet
- **Answer Key**

Activity #8- Infrared Energy and the Remote Control

- **Teacher's Copy**
- Student's Copy
- Student Response Sheet
- **Answer Key**



Activity #9- The IR (infrared) Challenge

- **Teacher's Copy**
- Student's Copy
- Student Response Sheet
- **Answer Key**



Activity #10- Infrared at Work in the Home

- **Teacher's Copy**
- Student's Copy
- **Answer Key**

Periodic Table of the Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H	He											B	C	N	O	F	Ne
Li	Be	B	C	N	O	F	Ne	Na	Mg	Al	Si	P	S	Cl	Ar		
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	

* Lanthanide Series
 * Actinide Series

Activity #11- Graphing Trends in the Periodic Table

- **Teacher's Copy**
- Student's Copy
- Student Response Sheet
- **Graphing Lists on the TI-82 Graphing Calculator**
- **Answer Key**



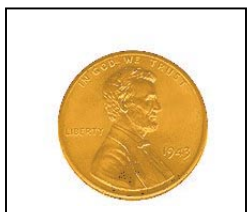
Activity #12- Separation Techniques

- **Teacher's Copy**
- Student's Copy



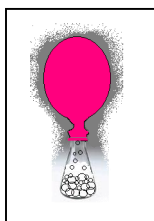
Activity #13- Solubility Curves

- **Teacher's Copy**
- Student's Copy
- Student Response Sheet
- **Answer Key**
- **Lighting a Bunsen Burner**



Activity #14- The Brass Penny

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**



Activity #15- Law of Conservation of Mass

- **Teacher's Copy**
- **Student's Copy**
- **Student Response Sheet**
- **Answer Key**